

<b>Cluster</b>	<b>Variable</b>	<b>R<sup>2</sup> value with own cluster</b>	<b>R<sup>2</sup> value with next cluster</b>
<b>Cluster 1</b>	Anti-TPO (+/-)	0.6829	0.0008
	Anti-Tg (+/-)	0.6912	0.0013
	DQB1*0503	0.0448	0.0015
<b>Cluster 2</b>	Anti-Dsg1 (+/-)	0.3527	0.0043
	Anti-Dsg3 (+/-)	0.6616	0.0001
	DRB1*0402 (+/-)	0.4473	0.0195

**Supplemental Table S1. Correlation of variables with their own cluster vs. the next cluster.**  
The higher the R2 value, the better the correlation among the cluster variables.